```
class User:
    totalbill=0
    def __init__(s,name,contact,email,password):
        s.name=name
        s.contact=contact
        s.email=email
        s.password=password

    def __str__(s):
        return s.name+"\t"+str(s.contact)+"\t"+s.email+"\t"+s.password

class Hotel:

    users=[]
    def register(s):
        print("Enter Name , Contact , Email , Password ")

print("----------------------------------------------------------------------
----------------")
        name=input("Enter Name : ")

print("----------------------------------------------------------------------
----------------")
        contact=input("Enter Contact : ")

print("----------------------------------------------------------------------
----------------")
        email=input("Enter Email : ")

print("----------------------------------------------------------------------
----------------")
        password=input("Enter Password : ")

print("----------------------------------------------------------------------
----------------")
        s.users.append(User(name,contact,email,password))

    def login(s):
        print("Enter Email & Password")

print("----------------------------------------------------------------------
----------------")
        email=input("Enter Email : ")

print("----------------------------------------------------------------------
----------------")
        password=input("Enter Password : ")

print("----------------------------------------------------------------------
----------------")
        for i in s.users:
            if email==i.email and password==i.password:
                return i

    def veg(s,u):

print("|--------------------------------------------------------------|")
        print("|Sr No. |     Dish Name          | Price      |")

print("|--------------------------------------------------------------|")
        print("|1         | Palak Paneer           | 250        |")

print("|--------------------------------------------------------------|")
        print("|2         | Matar Paneer           | 150        |")
```

```python
        print("|------------------------------------------------------------|")
        print("|3            | Palak Tikka                 | 200          |")

        print("|------------------------------------------------------------|")
        print("|4            | Palak Masala                | 350          |")

        print("|------------------------------------------------------------|")
        print("|5            | Paneer Masala               | 200          |")

        print("|------------------------------------------------------------|")
        d=True
        pricelist=[250,150,200,200,350]
        veglist=["Palak Paneer","Matar Paneer","Palak Tikka","Paneer
Masala","Palak Masala"]
        while(d):

            dname=input("Enter DishName")

print("--------------------------------------------------------------------
-----------------")
            print(dname)
            print(dname.title())
            print(dname.title() in veglist)
            if dname.title() in veglist:

print("--------------------------------------------------------------------
-----------------")
                qty=int(input("enter Quantity" ))

print("--------------------------------------------------------------------
-----------------")
                u.totalbill=u.totalbill+
(qty*pricelist[veglist.index(dname.title())])
                ys=input("Enter y For Order Another Dish\n    n for Main Menu" )

print("--------------------------------------------------------------------
-----------------")
                if ys=="y":
                    s.veg(u)
                else:
                    s.menu(u)




    def nonveg(s,u):

print("|------------------------------------------------------------|")
        print("|Sr No. |     Dish Name        | Price          |")

print("|------------------------------------------------------------|")
        print("|1            | Palak Chikan         | 350           |")

print("|------------------------------------------------------------|")
        print("|2            | Matar Chikan         | 450           |")

print("|------------------------------------------------------------|")
        print("|3            | Chikan Tikka         | 250           |")

print("|------------------------------------------------------------|")
        print("|4            | Chikan Angara     | 350           |")

print("|------------------------------------------------------------|")
```

```python
        print("|5            | Chikan MaraMari|  200           |")
print("|-------------------------------------------------------------|")
        t=True
        pricelist=[350,450,250,350,200]
        nonveglist=["Palak Chikan","Matar Chikan","Chikan Tikka","Chikan
Angara","Chikan MaraMari"]
        while(t):

print("|-------------------------------------------------------------|")

            tname=input("Enter DishName")

print("|-------------------------------------------------------------|")
            print(tname)
            print(tname.title())
            print(tname.title() in nonveglist)
            if tname.title() in nonveglist:

print("|-------------------------------------------------------------|")
                qty=int(input("enter Quantity" ))

print("|-------------------------------------------------------------|")
                u.totalbill=u.totalbill+
(qty*pricelist[nonveglist.index(tname.title())])
                ys=input("Enter y For Order Another Dish\n    n for Main Menu" )
                if ys=="y":
                    s.nonveg(u)
                else:
                    s.menu(u)

    def deserts(s,u):

print("|-------------------------------------------------------------|")
        print("|Sr No. |Dish Name     | Price               |")

print("|-------------------------------------------------------------|")
        print("|1            | Jalebi             | 150                |")

print("|-------------------------------------------------------------|")
        print("|2            | Kunafa         | 250              |")

print("|-------------------------------------------------------------|")
        print("|3            | Sitafal cream|  250              |")

print("|-------------------------------------------------------------|")
        print("|4            | Gulab jamun|  200              |")

print("|-------------------------------------------------------------|")
        D=True
        pricelist=[150,250,250,200]
        desertlist=["Jalebi","Kunafa","Sitafal cream","Gulab jamun"]
        while(D):

            Dname=input("Enter DishName")
            print(Dname)
            print(Dname.title())
            print(Dname.title() in desertlist)
            if Dname.title() in desertlist:

                qty=int(input("enter Quantity" ))
                u.totalbill=u.totalbill+
(qty*pricelist[desertlist.index(Dname.title())])
                ys=input("Enter y For Order Another Dish\n    n for Main Menu" )
```

```python
                if ys=="y":
                    s.desert(u)
                else:
                    s.menu(u)




    def menu(s,u):
        print("------- Welcome To Armagan Hotel ------")
        c=True
        while(c):
            print("-----------------Enter 1 For Veg-----------------")
            print("-----------------2 For Non-Veg-------------------")
            print(" ---------------3 for Desert-----------------------")
            print("-----------------4 For Bill-------------------------------")
            print("-----------------5 For Exit--------------------------")

print("------------------------------------------------------------------------
----------------")
            j=int(input("Enter Choice.."))

print("------------------------------------------------------------------------
----------------")
            if j==1:
                s.veg(u)
            elif j==2:
                s.nonveg(u)
            elif j==3:
                s.deserts(u)
            elif j==4:
                print("Your Name is : ",u.name,)
                print("Your Bill is : ",u.totalbill,)
            elif j==5:
                print("exit")
                break

    def call(s):

        b=True
        while(b):
            print("--------------------------Enter 1 For
Register---------------------------")
            print("--------------------------2 For
Login---------------------------------------------")
            print("------------------------3 For
Exit-----------------------------------------------")

print("------------------------------------------------------------------------
----------------")
            i=int(input("Enter Choice.."))

print("------------------------------------------------------------------------
----------------")
            if i==1:
                print("-----------------------------------------------------")
                s.register()
                print("-----------------------------------------------------")
            elif i==2:
                print("-----------------------------------------------------")
                u=s.login()
                if u is not None:
                    s.menu(u)
                else:
```

```python
                print("INvalid UserName , Password")
            print("------------------------------------------------------")
        elif i==3:
            b=False
            break
        else:
            print("------------------------------------------------------")
            print("Please Select valid Choice.....")
            print("------------------------------------------------------")


h=Hotel()
h.call()
```